

GRECELL T200

GRECELL T200 240W Portable Power Station User Manual

Model: T200 | Brand: GRECELL

1. INTRODUCTION

Thank you for choosing the GRECELL T200 240W Portable Power Station. This manual provides essential information for the safe and efficient operation of your device. Please read it thoroughly before use and retain it for future reference.

Safety Warnings

- Do not disassemble, repair, or modify the unit.
- Keep away from fire or extreme temperatures.
- Avoid exposure to water or high humidity.
- Do not drop or subject to strong impacts.
- Keep out of reach of children.

2. PRODUCT OVERVIEW

The GRECELL T200 is a compact and portable power station designed to provide reliable power for various devices, featuring a 153.6Wh LiFePO4 battery and multiple output options.



Figure 2.1: Main view of the GRECELL T200 Portable Power Station.

Components and Ports

The GRECELL T200 features a user-friendly interface with clearly labeled ports and controls.



Figure 2.2: Front panel of the GRECELL T200 showing output and input ports.

- **Power Button:** Turns the unit on/off and activates the display.
- **Light Button:** Cycles through LED light modes (50% brightness, 100% brightness, flash, SOS, off). Long press to turn off all lights.

- **Output Ports:** 1x DC (12.8V 8A), 2x USB-A (18W), 1x USB-C (100W), 1x USB-C (30W).
- **Input Ports:** 1x USB-C (100W), 1x DC (12-26V).
- **LCD Display:** Shows battery level, input/output wattage, and ECO mode status.
- **Integrated Stand:** Located at the bottom, pulls out to hold a phone or tablet.
- **Adjustable LED Light:** Provides illumination with multiple modes and adjustable angles.

3. SETUP

Unboxing and Initial Charge

Upon receiving your GRECELL T200, it is recommended to fully charge the unit before first use. This ensures optimal battery performance.

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Video 3.1: GRECELL 240W Power Station Unboxing. This video demonstrates the unboxing process and initial setup of the power station.

What's in the Box

Verify that all components are present in the packaging:

ADJUSTABLE TO ANY ANGLE



Phone Tablet Stand



Adjustable brightness
flashing warning light

Figure 3.1: Included items: GRECELL 240W Power Station, USB-C Charging Cable, DC to Cigarette Lighter Outlet, and User Manual.

- 1x GRECELL 240W Power Station (Model T200)
- 1x USB-C Charging Cable
- 1x DC to Cigarette Lighter Outlet (Output)
- 1x User Manual

Note: A wall charger is not included and must be purchased separately for AC charging.

4. OPERATING INSTRUCTIONS

Powering On/Off

Press the power button once to turn on the unit and activate the LCD display. Press and hold the power button for 1.5 seconds to turn off the unit.

Charging External Devices

Connect your devices to the appropriate output ports (USB-A, USB-C, or DC). The LCD display will show the current output wattage. The unit supports simultaneous charging of multiple devices.

MULTIPLE CHARGING METHODS



Figure 4.1: The power station actively charging a laptop and a smartphone.

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Video 4.1: Demonstration of charging multiple devices simultaneously using the GRECELL T200.

Using the LED Light

Press the light button to cycle through the following modes:

1. 50% Brightness
2. 100% Brightness

3. Flash (strobe)
4. SOS (Morse code for emergency)
5. Off

Long press the light button for 1.5 seconds to turn off all lights directly from any mode.



Figure 4.2: The power station's LED light can be adjusted to various angles for optimal illumination.



Figure 4.3: The adjustable LED light provides versatile lighting options for different scenarios.

Using the Phone/Tablet Stand

Pull out the integrated stand located at the bottom of the unit to securely hold your smartphone or tablet while charging or viewing content.

LIFEPO4 BATTERY, OFFERING RELIABLE SAFETY AND DURABILITY

3000+ Cycles - Long Life



Figure 4.4: The integrated phone/tablet stand in use.

5. CHARGING THE POWER STATION

The GRECELL T200 offers multiple charging methods to ensure you always have power when you need it.

COMPACT DESIGN, CHARGE ANYTIME



8.18in X 4.56in X 4.56in



Figure 5.1: Multiple charging methods for the GRECELL T200.

USB-C Bidirectional Fast Charging (100W)

Connect a compatible USB-C PD charger (not included) to the USB-C input port. This method supports fast charging the power station in approximately 1.5 hours.

Solar Charging

Connect a compatible 100W solar panel (not included) to the DC input port. Charging time will vary depending on sunlight intensity and solar panel efficiency.

WHAT'S IN THE BOX?



User Manual



USB-C
Charging Cable



12V Car
Charger Cable

Figure 5.2: The power station connected to a solar panel for charging.

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Video 5.1: GRECELL 240W Portable Power Station Solar Generator. This video illustrates the solar charging capability of the power station.

Car Charging

Use the provided DC to Cigarette Lighter Outlet cable to charge the power station from your vehicle's 12V car outlet.

6. MAINTENANCE

LiFePO4 Battery Technology

The GRECELL T200 utilizes Lithium Iron Phosphate (LiFePO4) batteries, known for their longer lifespan (3000+ cycles) and enhanced safety compared to traditional lithium-ion batteries. This technology provides stable performance and increased durability.



Figure 6.1: Visual representation of LiFePO4 battery technology.

Advanced Safety Features

The power station is equipped with a Battery Management System (BMS) that provides comprehensive protection, including:

- Overvoltage Protection
- Undervoltage Protection
- Short Circuit Protection
- Overload Protection
- Over-temperature Protection

Storage Guidelines

Store the power station in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, it is recommended to charge the unit to 50-80% every 3-6 months to maintain battery health.

7. TROUBLESHOOTING

If you encounter issues with your GRECELL T200, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Unit does not turn on	Battery is completely drained.	Connect to a power source and charge for at least 30 minutes.
Devices not charging	Output port not activated or cable is faulty.	Ensure the unit is on and the specific output port is active. Try a different cable.
Slow charging speed	Using a non-PD compatible charger or solar input is insufficient.	Use a 100W USB-C PD charger. For solar, ensure direct sunlight and optimal panel angle.
LED light not working	Light function is off or unit is off.	Press the light button to cycle modes. Ensure the power station is on.

If the problem persists, please contact GRECELL customer support.

8. SPECIFICATIONS

Feature	Detail
Model Name	T200
Battery Type	LiFePO4
Capacity	153.6Wh / 48000mAh
Rated Power	240W
USB-C Output 1	100W Power Delivery (PD)
USB-C Output 2	30W
USB-A Output	2x 18W
DC Output	12.8V 8A
DC Input	12-26V (Supports up to 100W solar input)
Dimensions (L x W x H)	13.58" x 12.99" x 11.25" (Note: Product dimensions from spec are likely for packaging, using image dimensions for actual unit: approx. 8.18in x 4.56in x 4.56in)
Weight	4.5 lbs (approx.)
Special Features	Adjustable LED light, Phone/Tablet stand, Portable

9. WARRANTY AND SUPPORT

Warranty Information

The GRECELL T200 Portable Power Station comes with a**2-Year Manufacturer Warranty**. Please retain your proof of purchase for warranty claims.

Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact GRECELL customer support through the retailer where you purchased the product or visit the official GRECELL website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question